

POLAND/Cosmochemistry, Geochemistry, Hydrochemistry.

D.

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 46328

total salts - 5.8 to 316.3; Cl - 1.17 to 187.2; I - 0.01 to 0.144; H_2CO_3 - 0.15 to 10.22; SO_4 - 0.009 to 5.50; Ca - 0.01 to 5.53; Mg - 0.005 to 1.657; Na + K - 1.9 to 121.9. It is pointed out that these waters can be used for iodine production, as well as curative waters (they are compared with mineral waters from health resorts).

Card 2/2

CHAJEC, W.

Mineral waters, a source of valuable minerals. p. 15.
(GEOLOGIA. Vol. 10, no. 1. 1956, Krakow, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.
Uncl.

11(4)

PHASE I BOOK EXPLOITATION

POL/2407

Wojnar, J., Professor, Engineer; Wł. Chajec, Master in Science; Br. Fleszar, Master in Engineering; H. Glaser, Master in Engineering; J. J. Głogoczowski, Doctor, Docent; H. Górka, Engineer, Docent; B. Manasterski, Doctor, Engineer; F. Mitura, Docent, Master in Science; St. Niementowski, Docent, Engineer; J. Ostaszewski, Docent, Engineer; St. Suknarowski, Doctor, Professor; L. Tomaszewicz, Engineer; and A. Waliduda, Docent, Engineer

Dwańście lat pracy Instytutu Naftowego, 1945 - 1956 } Twelve
Years Work of the Petroleum Institute, 1945 - 1956 } Katowice,
WG-H, 1957. 130 p. Errata slip inserted. 1,555 copies printed.

Tech. Ed.: S. Misztó.

PURPOSE: This book is intended to introduce readers to the development and activities of the (Polish) Petroleum Institute from 1945 to 1956.

COVERAGE: The book describes the organizational structure and activities of the Petroleum Institute since its foundation in
Card 1/3

Twelve Years Work (Cont.)

POL/2407

Krosno in 1945. It includes photos of buildings, laboratories, equipment, and personnel of the Institute, and gives the names of the scientists. A bibliography of publications of the Institute is included. The Institute cooperates with scientific institutes of 16 foreign countries.

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General Characteristics of the Work of the Institute	14
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Twelve Years Work (Cont.)

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Documentation and Libraries

111

Opinions on the Studies of the Petroleum Institute

124

AVAILABLE: Library of Congress

TM/jb
10-21-59

Card 3/3

CHAJEC, W.

Chemical characteristics of deep waters in the Polish Carpathian Mountains and their foreland. p. 308

NAFTA (Instytut Naftowy) Krakow, Poland, Vol. 15, no. 11, Nov. 1959

Monthly list of East European Accession (EEAI) LC., Vol. 9, No 1, Jan. 1960

Uncl.

CHAJEC, Wl., mgr

Completion of the construction of the Iodine Works in Debowiec
near Skoczow. Nafta 21 no.3:94 Mr '65.

ASKANAS, A.; CHAJECKA, M.; OKOLSKA, W.; ZALEWSKI, T.

Observations on an endemic infection caused by pathogenic strains of *Escherichia coli*. *Pediat. Pol.* 37 no.1:17-22 Ja '62.

1. Z Kliniki Terapii Chorob Dzieci AM w Warszawie Kierownik: prof. dr med. H. Brokman i z Laboratorium Panstwowego Szpitala Klinicznego nr 3 Kierownik: dr med. L. Tomaszewski.

(*ESCHERICHIA COLI* INFECTION in inf & child)

CHAJECKA, Maria; SALAMON-RURARZ, Zofia; OSICKA, Krystyna

The frequency and duration of breast feeding in a large city.
Pediat. pol. 39 no.1:77-84. Ja'64

1. Z Zakladu Rozwoju Dziecka (Kierownik: doc.dr.med. M.Chajeczka)
Instytutu Matki i Dziecka w Warszawie (Dyrektor: prof. dr. med.
B.Gornicki).

*

CHAJECKA-PASZKIEWICZ, M.

~~Control of rheumatic fever in children in the Gdansk region. Pe-~~
diat. polska 24 no.9:815-818 Sept 50. (CIAM 20:6)

1. Activity of Pediatric Consultation Clinic for Rheumatic Dis-
eases of the Regional Central Clinic for Maternal and Children's
Welfare in Gdansk (1948-1949).

CHAJECKA PASZKIEWICZ M.

Excerpta Medica Sec 7 Vol 9/5 May 55 Pediatrics

1181. **CHAJECKA-PASZKIEWICZ M.**, PIELOWSKI J. and BOJOWA E. Odd.
Noworodków Klin., Poloznictwa, Chor. Kobietych Akad. med., Gdańsku;
Klin. Chor. Nerwowych Akad. med., Gdańsku; Zakł. Anat. pat. Akad. med.,
Gdańsku. *Przypadki toksoplazmozy wrodzonej. Congenital toxo-
plasmosis POL. TYG. LEK. 1954, 9/8 (241-244)

A detailed clinical description of 6 cases, presenting meningo-encephalitic symptoms. Three of these infants died, but at the post-mortem histopathological examination toxoplasmas were not found. The diagnosis was based on positive serological tests with children and their mothers. In none of the cases were any changes found in the eyes nor any calcifications in the central nervous tissue. It is supposed that toxoplasmosis is so infrequently diagnosed because the investigations are not made in the right direction.

Bogdanowicz - Warsaw (XX, 7, 8)

CHAJECKA-PASZKIEWICZ, Maria (Warsawa, ul. Mokotowska 51/53 m 2)

Pathological mechanism of injuries of the central nervous system
following birth injury. Polski tygot. lek. 9 no.42:1345-1350
18 Oct 54.

1. Z Kliniki Położnictwa i Chorob Kobietych Akademii Medycznej w
Gdańsku; dyrektor prof. H.Gromadski, p.o. dyrektora doc. dr S.Soska.

(CENTRAL NERVOUS SYSTEM, wounds and injuries,
birth inj.)

(DELIVERY, complications,
birth inj. with CNS sequelae)

(WOUNDS AND INJURIES,
CNS, in birth inj.)

CHAJECKA-PASZKIEWICZ, Maria

Intragastric administration of oxygen in asphyxia neonatorum and collapse of prematures. Polski tygod. lek. 9 no.43:1382-1385 25 Oct 54.

1. Z Kliniki Położnictwa i Chorob Kobietych A.M.G.; dyrektor: prof. dr H.Gromadski p.o. dyrektora: doc. dr S.Soska.

(ASPHYXIA NEONATORUM, therapy,

oxygen, intragastric admin.)

(INFANT, PREMATURE, diseases,

collapse, ther., intragastric oxygen)

(SHOCK, in infant and child,

premature, ther., intragastric oxygen)

(OXYGEN, therapeutic use,

asphyxia neonatorum & collapse in premature)

CHAJACKA-PASZKIEWICZ, Maria

Encephalitis in children. *Pediat. polska* 29 no.7:731-736 July 54.

1. z Kliniki Chorob Zakaźnych Wieków Dziecięcego Akademii Medycznej
w Warszawie. Kierownik: prof. dr med. J. Bogdanowicz.

(ENCEPHALITIS, in infant and child,
statist. analysis)

CHAJECKA-PASZKIEWICZ, Maria; SLOMOWNA-WALEJKO, Barbara; SZTABA, Romuald

~~Diagnostic difficulties in a case of perityphlic tuberculosis (perityphilitis tuberculosa).~~ Pediat. polska 33 no.8:959-962 Aug 58.

1. Z Kliniki Terapii Chorob Dziecięcych A. M. w Warszawie Kierownik: prof. dr med. H. Brokman Z Zakładu Radiologii Pediatricznej A. M. w Warszawie Kierownik: prof. dr med. K. Rowinski Z Kliniki Chirurgii Dziecięcej A. M. w Warszawie Kierownik: prof. dr med. J. Kossakowski. Adres: Warszawa, ul. Działdowska 1/3.

(TUBERCULOSIS, GASTROINTESTINAL, in inf. & child
perityphlic, diag. problems (Pol))

CHAJKOWSKI, Jerzy Wojciech

Treatment of human erysipeloid. Polski tygod. lek. 9 no.19:
594-497 10 May 54.

1. Z ambulatorium chirurgicznego przy Szpitalu Miejskim we
Wlodelawku; dyrektor dr med. St. Bocianski.
(ERYSIPELOID, therapy,
human)

CHAJKOWSKI, Jerzy Wojciech

CHAJKOWSKI, Jerzy Wojciech (Wlodek, Plac Wolnosci 1 m 2.)

Two-stage rupture of the spleen. Polski przegl. chir. 29 no.8:
791-797 Aug 57.

1. Z chirurgicznego oddzialu Szpitala Miejskiego im. H. Swiecickiego
we Wlodeku. Ordynator: dr R. Sernicki Praca wplynela: 19. 11. 1956 r.
(SPLEEN, rupture,
two-stage, case reports (Pol))

CHAJKOWSKI, Jerzy Wojciech

Benign tumors of the stomach. Polski tygod.lek. 15 no.24:921-923
13 Ja '60.

1. 2 Oddziału Chirurgicznego Szpitala Miejskiego im. H.Swiecickiego
we Wlclawku; ordynator: dr med. R.Sernicki
(STOMACH NEOPLASMS case reports)
(LEIOMYOMA case reports)

71

CHAJKOWSKI, M.

A III - 5

BA

Reproductive reaction to environmental stress. F. Stankin and
M. Chakrabarty, *Ann. N.Y. Acad. Sci.*, 1969, 166, 1-10. (DD)
[1]-[10]—Stress reaction was not followed by increase in histo-
cytes in the viscera or lymph nodes. R. Thirumangalakudi

CHAJKOWSKI, Mieczyslaw (Poland)

Reticulo-endothelial immune serum (REIS) in treatment of horses' wounds. Roczn. nauk roln. wet 70 no.1/4:92-94 '60.

(REAI 10:9)

(Horses) (Reticulo-endothelial system) (Immunity)
(Serumtherapy) (Wounds)

POLAND

CHAJKOWSKI, Mieczysław; and MATRAS, Jadwiga, Experimental Center of Veterinary Service (Ośrodek Badawczy Służby Weterynaryjnej)

"The Use of Fluorescent Antibodies in the Diagnosis of Anthrax Infection"

Lublin, Medycyna Weterynaryjna, Vol 22, No 10, Oct 66; p. 581-583

Abstract [English summary modified]: Immunofluorescent diagnosis was both more reliable and much more rapid than Kopeloff-Beerman staining procedure in diagnosis of anthrax as found in mice inoculated with *Bacillus anthracis* 284. 2 tables, 2 Polish, 4 Soviet, 10 Western references.

1/1

CHAJTMAN, Sewer, doc.dr

On the possibilities of mechanizing the work of the engineers and technicians and the administrative staff of industrial enterprises.
Pt. 2. Przegl techn no.14:7,8 8 Ap '62.

CHAK, A., ingh.

Double cleaning of grain at drying and cleaning towers. Mak.-elev.
prom. 26 no.10:7-8 0'60. (MIRA 13:10)

1. Ministerstvo khleboproduktov RSFSR.
(Grain--Cleaning)

PUSHKANTSEV, B.N., inzh.; CHAK, A.B., inzh.

Mechanization of grain loading. Mekh. i avtom. proizv. 17
no.12:20-25 D'63. (MIRA 17:2)

CHAKABAYEV, S.Ye.

Discovery of marine Paleogene foraminifera in the Ili Valley. Izv.
AN Kazakh SSR, Ser. geol. no. 21:100-105 '55. (MLRA 9:8)
(Ili Valley--Foraminifera, Fossil)

S.Y.
CHAKABAYEV, Ye.S.; LI, A.B.

Depositional factors and chemistry of underground waters in
Quaternary sediments of the eastern Ili Valley. Izv. AN Kazakh.
SSR. Ser. geol. no.2:92-98 '58. (MIRA 12:5)
(Ili Valley--Water, Underground)

CHAKABAYEV, S.Ye.

Thermal waters of the Ili depression and the possibilities of
utilizing them in the national economy. Vest. AN Kazakh.SSR
14 no.9:94-99 S '58. (MIRA 11:11)
(Ili Valley--Water, Underground) (Heating)

SATPAYEV, K.I.; POLOSUKHIN, A.P.; BAISHEV, S.B.; CHOKIN, Sh.Ch.; BORUKAYEV, R.A.;
AKHMEDSAFIN, U.M.; KUSHEV, G.L.; SHCHERBA, G.N.; MONICH, V.K.; MEDOTEV,
G.TS.; LAVROV, V.V.; BARBOT-DE-MARNI, A.V.; GALITSKIY, V.V.; ZHILINSKIY,
G.B.; KAYUPOV, A.K.; KAZANLI, D.N.; KOLOTILIN, N.F.; MUKHAMEDZHANOV, S.M.;
SATPAYEVA, T.A.; VEYTS, B.I.; GAZIZOVA, K.S.; CHOLPANKULOV, T.Ch.;
PARSHIN, A.V.; BYKOVA, M.S.; NITRYAYEVA, M.M.; VOLKOV, A.N.; CHAKABAYEV,
S.Ye.; YARENKAYA, M.A.; KHAYRUTDINOV, D.Kh.

On the 60th anniversary of the birth of I.I. Bok, Academician of the
Academy of the Kazakh S.S.R. Vest.AN Kazakh.SSR 14 no.10:95-96
0 '58. (MIRA 11:12)

(Bok, Ivan Ivanovich, 1898-)

AVROV, P.Ya.; CHAKABAYEV, S.Ye.

Geological prerequisites for the development of the petroleum and
gas industries in Kazakhstan in 1959-1965. Izv. AN Kazakh. SSR. Ser.
geol. no.2:83-90 '59. (MIRA 13:2)

(Kazakhstan--Petroleum industry)
(Kazakhstan--Gas, Natural)

11(2)

SOV/31-59-3-6/14

AUTHORS: Li, A.B., Chakabayev, S.Ye., Filip'yev, G.P.

TITLE: On Gas Layers in the Ili Depression (O gazoproyavleniyakh v Iliyskoy vpadine)

PERIODICAL: Vestnik Akademii nauk Kazakhskoy SSR, 1959, Nr 3, pp 51-53 (USSR)

ABSTRACT: This article deals with gas layers recently discovered in oil well drilling in **Iliyskaya and Karkarinskaya depressions**(Iliyskaya i Karkarinskaya vpadiny). Most of the layers were found in the **Iliyskaya depression, where** the data supplied by careful investigation of a prospecting well on the right bank of the Ili river three km east of the Borokhudzir Ferry (Borokhudzirsкая pereprava), are of foremost importance. As to composition, the gases of the **Iliyskaya and Karkarinskaya** depressions can be roughly subdivided into nitrogen and nitrogen-methane gases. Typical examples of nitrogen gases are the gases of the Ili prospecting well, associated in the main with Pliocene deposits.

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All the other gas layers exclusively associated

On Gas Layers in the Ili Depression

SOV/31-59-3-6/14

with Miocene sand-clay deposits can be referred to as the second type. The appearance of nitrogen-methane gases has been observed in sections of tectonic disturbances, in the majority of cases. This apparently explains their scarcity and the small volume of concentration. It is assumed that the gas layers of the younger strata of the Ili depression owe their origin to powerful Jurassic carbonaceous and bituminous deposits. The gas layers of the **Karkarinskaya** depression may have been formed by Miocene-Oligocene bituminous slates. The low content of organic matter in the Pliocene and also the Miocene rocks suggests that the burning gases contained in these deposits are genetically connected with deeper horizons of the mesozoic era and tertiary deposits. The disjunctive disturbances, apparently play the role of migration routes. The assumption that the gases migrated from deeper horizons is underlined by the presence of helium in some gases. Helium was recently ascertained in a number of "Krelius wells" ("kreliusnyye skvazhiny")

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On Gas Layers in the Ili Depression

SOV/31-59-3-6/14

on the Dzhambyl-Bastauskaya Structure (Dzhambyl-Bastauskaya struktura). The gas layers of the tertiary strata are of no practical interest. They can be considered as positive symptoms of the possible existence of gas layers in mesozoic deposits.

Card 3/3

CHAKABAYEV, S. Ye., LI, A. E.

Chemical and thermal characteristics of waters in Cretaceous
and Tertiary sediments in the eastern part of the Ili Valley.
Izv. AN Kazakh. SSR. Ser. geol. no.1:64-73 '60.

(MIRA 13:8)

(Ili Valley--Water, Underground)

CHAKABAYEV, S.Ye., LI, A.B., FILIP'YEV, G.P.

Conditions governing pool formation and the chemistry of waters of
Cenozoic sediments of the Koyby structure zone. Vest.AN Kazakh.SSR
16 no.7:51-58 J1 '60. (MIRA 13:8)
(Ili Valley--Water, Underground)

CHAKABAYEV, S.Y.

Marine Paleogene deposits of the Ili Depression. Dokl. AN
SSSR 133 no.4:925-927 Ag '60. (MIRA 13:7)

1. Institut geologicheskikh nauk Akademii nauk KazSSR. Pred-
stavleno akad. A.L.Yanshinym.
(Ili Valley—Geology, Stratigraphic)

CHAKABAYEV, S.Ye.; IMASHEV, N.U.; TOKAREV, V.P.; KONONOV, Yu.S.; KORSUN, P.Ye.;
VOTSALEVSKIY, E.S.; IVANOV, V.A.; FARAFONOVA, N.V.; SHAKHOVOY, A.I.

Usen' gas and oil field; outline of geology and oil and gas potentials.
Izv. AN Kazakh. SSR. Ser. geol. 21 no.4:16-30 J1-Ag '64. (MIRA 17:11)

1. Institut geologii i geofiziki, Gur'yev.

L 17899-63 EWT(d)/EWP(k)/EWT(l)/EWP(q)/EWT(m)/BDS AFFTC/ASD Pf-4

JD/HM/HW/JH

ACCESSION NR: AP3004558

S/0125/63/000/008/0083/0086

AUTHOR: Skakun, G. F.; Chakalev, A. A.

TITLE: Spot welding of sintered aluminum powder with D16AT and AMg6 alloys

SOURCE: Avtomaticheskaya svarka, no. 8, 1963, 85-86

TOPIC TAGS: SAP, SAP sheet production technique, D16AT-alloy spot welding, AMg6 alloy spot welding, SAP spot welding, SAP-D16AT weld strength, SAP-AMg6 weld strength, SAP-D16AT weld microstructure, SAP-AMg6 weld microstructure, SAP-D16AT spot welding, SAP-AMg6 spot welding, SAP-D16 spot welding

ABSTRACT: Spot welding of SAP alloy (6.8% Al_2O_3) with D16AT [AA 2024; T, temper designation meaning hard] and AMg6 (0.5-0.8% Mn, 5.8-6.8% Mg, 0.02-0.16% Ti) alloy sheets was studied. Cold-compacted SAP billets were annealed for 2 hr at 680C, extruded into flat bars at 500C, rolled at 450-500C with a 1.5-2-mm reduction per pass into strip 3-4-mm thick, and finally cold rolled with a 0.5-mm reduction per pass into sheets 1- or 2-mm thick. The sheets were dense and sound; tensile strength was 31-32 kg/mm² at room temperature and 5-6 kg/mm² at 500C. The optimum welding conditions and the strength of the spot welds produced are

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ACCESSION NR: AP3004558

given in Table 1 of Enclosure. Welding time is a very critical factor; metal expulsion and cracking occur in D16AT and AMg6 alloys with prolonged welding time. Some pickup of the welded material by the electrodes occurs, but 15—20 spots can be made without cleaning the electrode. The room temperature shear strength of the spot welds is about the same as that of spot-welded joints of D16AT and AMg6. In shear tests, failure of SAP-D16AT and SAP-AMg6 spot welds occurs through ductile shear; in pull tests the whole spot is usually torn out. Microscopic and x-ray examination revealed no pores, voids, cracks, or metal expulsion. Compared with the initial microhardness of SAP material — 80 to 84 kg/mm² — the microhardness of the weld metal varies from 31 kg/mm² in the oxide-poor portion of the weld to 85—90 kg/mm² in the oxide-rich portion. Orig. art. has: 4 figures and 2 tables.

ASSOCIATION: Moskovskiy aviatsionnyy tekhnologicheskii institut (Moscow Aviation Technological Institute)

SUBMITTED: 04Dec63

DATE ACQ: 27Aug63

ENCL: 01

SUB CODE: MA, ML

NO REF SOV: 000

OTHER: 000

Card 2/3

ACCESSION NR: AP4040698

S/0135/64/000/006/0016/0019

AUTHOR: Chasalev, A. A. (Engineer); Zaytsev, V. I. (Engineer);
Skakun, G. F. (Candidate of technical sciences); Mel'nikov, Yu. V.
(Engineer)

TITLE: Vacuum-tight seam welding of MA8 alloy

SOURCE: Svarochnoye proizvodstvo, no. 6 (630), 1964, 16-19

TOPIC TAGS: magnesium manganese cerium system, magnesium manganese
alloy, cerium containing alloy, MA8 alloy, alloy welding, seam welding,
alloy weld, vacuum tight weld, airtight weld

ABSTRACT: The conditions for obtaining airtight seam-welded joints
in sheets of MA8 magnesium alloy (1.5—2.5% Mn; 0.3% each Al and Zn;
0.15—0.35% Ce; 0.05% each Cu and Fe; 0.02% Be; 0.15% Si; 0.01% Ni)
have been determined. Flat specimens, assembled from sheets of the
same or different thickness which varied from 1 to 4 mm, and shells
400, 800, and 1500 mm in diameter, made from 1.5-mm sheets and rein-
forced with outside ribs 1.8-mm thick, were seam welded. To compensate

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ACCESSION NR: AP4040698

for poor reproducibility of physical and technological properties of weldments and the unstable characteristics of welders, double seams overlapping one another on 40—50% of their width were used. Both mechanical and chemical methods of surface cleaning were found equally satisfactory. Fusion of the thinner sheet up to 60% of its thickness can be tolerated since it causes no metal overheating, crack formation, decrease of corrosion resistance of the weld, or leaky joints. In welding circumferential seams the nugget thickness, particularly in the inner sheet, decreased with decreasing shell diameter. Hence, the geometry of the joined surfaces should be taken into account in the selection of welding conditions in order to avoid inadequate fusion or overheating. Seam welding of sheets of dissimilar thickness with a thickness ratio of 1:3 or higher produced satisfactory joints only with the use of an MA8 alloy insert, 0.1- or 0.3-mm thick, between the electrode and the thin sheet. Special electrodes with intensive inner water cooling have been designed for seam welding of MA8 and other magnesium alloys. With these electrodes welding speeds as high as 60—70 spots per minute can be attained. The tightness of joints was tested with a helium leak detector. Orig. art. has: 7 figures and 2 tables.

Cors 2/3

CHAKALOV, A.A., inzh.; ZAYTSOV, V.I., inzh.; SEMEN, G.F., kand. tekhn.
nauk; MEL'NIKOV, Yu.V., inzh.

Hermetic seam welding of the MA8 alloy. Svar. proizv. no.6:
16-19 Je '64 (MIRA 18:2)

I. Moskovskiy aviatsionnyy tekhnologicheskiy institut.

KUDRYAVTSEV, Ye.V.; CHAKALEV, K.N.

Theory of the all-purpose electronic calorimeter method. Trudy
MTIPP 15:30-40 '60. (MIRA 16:2)
(Calorimetry)

69964

S/170/60/003/01/01/023
B022/B007

24.5500

AUTHORS: Kudryavtsev, Ye. V., Chakalev, K. N.

TITLE: A Universal Electron Calorimeter ↑

PERIODICAL: Inzhenerno-fizicheskiy sburnal, 1960, Vol. 3, No. 1, pp. 3 - 9

TEXT: The authors constructed a universal electron calorimeter, which is destined for the simultaneous determination of the actual absolute values of heat capacity, heat conductivity, heat from phase transformations (melting heat), of latent heat, as well as of electrical conductivity within a large temperature range. The main characteristics of the new calorimeter are the improved regulation of the electron current and the removal of secondary-electron emission, as well as its operation under non-steady thermal conditions of the sample. The heated sample in the evacuated electron calorimeter serves as anode from which the cathode, which serves as electron source, is located at a distance of 150 mm (Fig. 3). The heat flow q is proportional to the energy of the electrons, i.e., the current density j . On the basis of this relation all thermo-physical parameters and the electrical conductivity of the sample may be determined. The universal electron calorimeter consists of the calorimeter proper, the electrical measuring instrument, the

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S/170/60/003/01/01/023
B022/B007

A Universal Electron Calorimeter

high-temperature-, and the vacuum apparatus (Fig. 1). The calorimeter body consists of two perpendicular quartz tubes (Fig. 2). The electronic circuit is given (Fig. 3). In the electric circuit an oscilloscope of the type POB-12,²⁸ loop galvanometers of the types GBSh-3²⁸ and GBSh-1, and a voltmeter of the type 134422,²⁸ class 1, were used for the purpose of measuring the anode current. In the high-temperature part a control potentiometer PP or an oscilloscope of the type POB-12, and in the vacuum part a diffusion oil pump of the type TsVL-100³ with a fore pump of the type VN-461² were used. The vacuum was controlled by means of a thermometer of the type VT-2² and an ionization manometer of the type VI-3². The theoretical fundamentals of the method were checked by calculations. When calculating the absolute values of the quantities measured on the basis of readings of calorimetric measurements, the following sources of error must be taken into account: 1) Correction for the radiation of the sample. 2) Correction for the error in determining the distance due to fastening the thermocouple. 3) Errors of measuring devices. 4) Other sources of error. As test material, a silver sample with an Ag content of 99.99% was used. The coefficients of heat capacity and heat conductivity of this sample, determined by means of the universal electron calorimeter, are compared with the results obtained by other authors (Tables 1,2). Measurements carried out on porous bronze (Table 3) showed that

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A Universal Electron Calorimeter

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B022/B007

the results measured by means of the device described are well reproducible.
There are 3 figures, 3 tables, and 11 references, 7 of which are Soviet.

ASSOCIATION: Energeticheskiy institut AN SSSR im. G. M. Krshishanovskogo,
g.Moskva (Institute of Power Engineering of the AS USSR, imeni
G. M. Krshishanovskiy, City of Moscow)

4

Card 3/3

KUDRYAVTSEV, Ye.V.; CHAKALEV, K.N.

Calorimetric method for checking techniques used in determining boundary conditions in nonstationary heat exchange. Trudy MIIT no.139:131-134 '61. (MIRA 16:4)

1. Energeticheskiy institut AN SSSR.
(Heat—Transmission) (Thermodynamics)

CHAKALEV, K.N.

PHASE I BOOK EXPLOITATION

SOV/5909

Kudryavtsev, Yevgeniy Vasil'yevich, Konstantin Nikolayevich Chakalev, and Nikolay Vasil'yevich Shumakov

Nestatsionarnyy teploobmen (Nonstationary Heat Exchange) Moscow, Izd-vo AN SSSR, 1961. 156 p. Errata printed on the inside of back cover. 2500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Energeticheskiy institut im. G. M. Khrushchevskogo.

Resp. Ed.: A. S. Predvoditelev, Corresponding Member, Academy of Sciences USSR; Ed. of Publishing House: G. B. Gorshkov; Tech. Ed.: L. V. Yefimova.

PURPOSE: This book is intended for specialists interested in heat-exchange problems.

COVERAGE: Methods of investigating the boundary conditions of heating (cooling) in solid bodies are discussed. These methods are free from the restrictions of the regular-regime method and the exponential methods, and are said to have

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Nonstationary Heat Exchange

SOV/5909

been developed by the authors. Particular attention is given to measuring methods and to the application of established formulas for computing boundary conditions of nonstationary heat exchange. Stationary and nonstationary heat regimes are also discussed. The authors thank Engineers L. D. Kalinnikov and O. I. Luneva. There are 37 references: 31 Soviet, 4 German, 1 English, and 1 Italian.

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1. Influence of the dimensions and material of the solid body on the process of nonstationary heat exchange 118
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AVAILABLE: Library of Congress

SUBJECT: Physics

AD/wrc/gap

Card 4/4

3-5-62

CHAKALEV, K. N., and KUDRAYVITSEV, G. V.

"Standardization of a Heat Flow."

Report submitted for the Conference on Heat and Mass Transfer,
Minsk, BSSR, June 1961.

39517

S/649/61/000/139/011/018

1028/1228

24.5200

AUTHOR: Kudryavtsev, E. V. and Chakalev, K. N.

TITLE: A calorimetric method of testing the determination of boundary conditions in non-stationary heat exchange

SOURCE: Moscow. Institut inzhenerov zheleznodorozhnogo transporta. Trudy, no. 139. 1961. Teoriya podobiya i yeye primeneniye v teplotekhnike; trudy pervoi mezhvuzovskoy konferentsii, 131-134

TEXT: The paper describes a universal electronic calorimeter for measuring the radiant heating of solid bodies. A cylindrically-shaped specimen serves as an anode, heated by means of bombarding electrons from a glowing cathode. The heat flow q , which can be varied, is given by the formula

$$q = 0.86 jU \quad (1)$$

where $j = i/S$ = the density of the electron current on the bombarded surface, U = the anode tension. The initial temperature t_0 of the specimen is established by means of an electric heater. Temperatures $t(\tau)$ (τ = the time) during the experiment are measured at two different points by thermocouples, and recorded on

Card 1/2

A calorimetric method...

S/649/61/000/139/011/018
1028/1228

an oscillograph, together with the current and tension. The heat flow q is determined by means of (1). This permits us to determine empirically the relationship $t(x, \tau) - t_0 = f(q)$, which agrees well with the theoretical one, obtained by the method of successive intervals (which splits the time τ into a series of intervals, in each of which the heat flow is assumed to be constant). There are 2 figures. ✓

ASSOCIATION: Energeticheskiy institut AN SSSR (Institute of Energetics, AS USSR)

Card 2/2

S/170/62/005/004/004/016
B102/B104

10.3100
AUTHOR: Chakalev, K. N.

TITLE: Heating of plates when the heat-exchange surface is shifted

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, v. 5, no. 4, 1962, 25 - 30

TEXT: The problem of heat exchange on the surface of an infinitely large plate is considered under the assumption that physicochemical processes take place on the surface. An approximate solution is derived under simplifying assumptions. The plate is placed in a medium whose temperature is higher than the melting temperature of the plate material. The initial temperature distribution is uniform. The sought equation should give a relation between the coordinates of the melting front and the temperature change in any point of the plate. Also the heat flow inside the solid part of the plate is determined. The results are obtained as arithmetic series, i. e., sums of terms of the form

$(a_n - b_{n-1}) \exp(\mu \sum_{i=1}^m Fo_i)$, $n, i=1, 2, 3, \dots, m$, or similar exponential terms. The

relations can be used to determine the propagation rate of the melting
Card 1/2

Heating of plates when...

S/170/62/005/004/004/016
B102/B104

zone. The solutions can be obtained with first-order boundary conditions.
There are 8 references: 6 Soviet and 2 non-Soviet.

ASSOCIATION: Energeticheskiy institut im. G. M. Krzhizhanovskogo g.
Moskva (Power Engineering Institute imeni G. M.
Krzhizhanovskiy, Moscow)

SUBMITTED: January 7, 1961

✓B

Card 2/2

KUDRYAVTSEV, Ye. V.; CHAKALEV, K. N.; LUNEVA, O. I.

Standards for heat flow measurement. Teplo- i massoper. 1:
140-145 '62. (MIRA 16:1)

1. Energeticheskiy institut im. G. M. Krzhizhanovskogo.

(Calorimetry)

CHAKALIN, I.

"Experiments in Growing Spindle Trees. Tr. from the Russian." p.43

"The January Discussions with the Executives, Bookkeepers, and Planners at the Central Forest Administration." p.44

(GORSKO STOPANSTVO Vol. 9, No. 1, Jan. 1953 Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 9,

Oct. 1953, Uncl.

IVANOVA, Ye.V. [Ivanova, M.V.]; CHAKALINSKAYA, I.I.

Research on the cultivation of some introduced tannin plants.
Vestsi AN BSSR. Ser. biial. nav. no. 4:38-41 '60. (MIRA 14:1)
(White Russia--Rumex) (White Russia--Knotweed)
(Tanning materials)

STSYAPANAU, B.I.; CHAKALINSKAYA, Yu.I.

Optical properties of alyer system with a negative coefficient of
absorption. Vestsi AN BSSR.Ser.fiz.-tekh.nav. no.1:42-48 '62.
(MIRA 16:9)

(Absorption of light)

CHAKALINSKAYA, Yu. I.

~~STEPANOV, B. I.~~

S/201/63/000/001/005/007
D234/D308

AUTHORS:

STEPANOV, B. I. and Chakalinskaya, Yu. I.

TITLE:

Effect of coatings on the intensity of radiation of plane parallel layers under conditions of generation

PERIODICAL:

Akademiya navuk Byelaruskay SSR. Vvestsi, Syeryya fizika-tekhnichnykh navuk, no. 1, 1963, 46-51

TEXT:

The authors consider an active layer 2 placed between two coatings 1 and 3, and derive expressions for radiation flows

$$S_{3-1} = \frac{v}{a} \frac{\left(-k_0 l - \ln \frac{1}{\sqrt{R_{21}R_{23}}}\right) T_1}{\sqrt{R_{21}} \left(\frac{1}{\sqrt{R_{21}}} + \frac{1}{\sqrt{R_{23}}}\right) (1 - \sqrt{R_{21}R_{23}})}, \quad (10)$$

$$S_{1-3} = \frac{v}{a} \frac{\left(-k_0 l - \ln \frac{1}{\sqrt{R_{21}R_{23}}}\right) T_3}{\sqrt{R_{23}} \left(\frac{1}{\sqrt{R_{21}}} + \frac{1}{\sqrt{R_{23}}}\right) (1 - \sqrt{R_{21}R_{23}})}, \quad (10a)$$

Card 1/2

Effect of coatings ...

S/201/63/000/001/005/007
D234/D308

v is the velocity of light in the active medium. They assume that $\bar{z}$ is fully reflecting ($T_3 = R_{23} = 0$) and discuss the dependence (10a). There are 4 figures.

Card 2/2

CHAKALOV, Asen

Fall of prices in raw materials, and its reflection on the under-developed countries. Trud tseni 4 no.8:60-66 '62.

CHAKALOV, Liubomir (Acad.)

1904

Mathematics

DECEASED

c. 62

CHAKALOV, V.

Relation between the J. Favard and the positive functionals. Izv Mat
inst BAN 5 no.1:73-81 '61.

CHAKALOV, V.

Function between Favor's and positive functionals. Izv mat inst BAH
5 no.1:73-81 '61.

L 36801-66 IJP(c)

ACC NR: AP6027856

SOURCE CODE: BU/0012/65/003/004/0279/0286

AUTHOR: Chakalov, Vladimir

16
B

ORG: none

TITLE: Certain problems connected with the ¹⁶theorem of moments

SOURCE: Fiziko-matematichosko spisanie, v. 8, no. 4, 1965, 279-286

TOPIC TAGS: aerodynamic moment, sequence, series

ABSTRACT: Earlier papers (see e. g., N. Obreschkoff, C. R. de l'Acad. des Sci. de Paris, 203 (1936), 760-762; L. Tschakoloff, Ibid., 204 (1937), 842-844) discussed several generalizations of a theorem due to Laguerre. The present paper shows that the majority of such problems is closely related to the theorem of moments and to the consequences of this theorem. Assuming the statements of the theorem known, the author first develops certain auxiliary statements and then proves three lemmas and extracts four consequences concerning sequences and series. Orig. art. has: 15 formulas.

[JPRS: 36,845]

SUB CODE: 12 / SUM DATE: none / ORIG REF: 005 / OTH REF: 006

Card 1/1 *af*

CHAKAN', B. [Csakany, B.] (Moscow)

Equivalence of some classes in algebraic systems. Acta math
Szeged 23 no.1/2:46-57 '62.

1. Submitted July 6, 1961.

CHAKANSKI, N.

Burns. Therapy and successful results after the use of
Visnevskii's ointment. Khirurgiia 15 no.9/10:816-817 '62.

1. Iz khirurgichnogo otdeleniia pri Gradskaia bolnitsa - Elena.
(BURNS) (ANTI INFECTIVE AGENTS)

CHAKAR, A.

Pneumatic-tube transportation at the Gul'kevichi Feed Mill.
Muk.-elev.prom.26 no.5:25-26 My '60. (MIRA 14:3)

1. Montazhno-maladochnoye upravleniye V/T Spetsselevatormel'stroy.
(Gul'kevichi--Feed mills)(Pneumatic-tube transportation)

CHAKAR, A., inzh.

Pneumatic conveying at the grinding section of the Leningrad Kirov
Milling Combine. Muk.-elev. prom 29 no.3:11-12 Mr '63.
(MIRA 16:9)

1. Montazhno-naladochnoye upravleniye V/T Spetselevatormel'montazh.

CHAKAR, A.

Deviations from the plan for assembling pneumatic conveyors
and their negative consequences. Muk.-elev. prom. 29 no.9:
24-26 S '63. (MIRA 17:1)

1. Montazhno-naladochnoye upravleniye Spetselevatormel'-
montazh.

CHAKAR, A., inzh.

For justified allowances in designing the pneumatic conveying
units of flour mills. Muk.-elev. prom. 29 no.7:18 J1 '63.

(MIRA 17:1)

1. Montazhno-naladochnoye upravleniye Spetselevatormel'-
montazha.

CHALAROV, E.

BULG.

✓ Morphological and histochemical study of lipides in yolk globules. A. Khadzhiev, G. Boyadzhiev, V. Dokov,

and E. Chalarov. *Compt. rend. acad. bulgare sci.* 7, No. 1, 49-51 (1954). The distribution of lipides in the yolk globules of nonincubated hen eggs was studied by fixation of egg slices with $HCHO$ or $K_2Cr_2O_7$ and subsequent staining. Yolk globules stained intensely with Sudan III or Nile blue in the periphery, but only slightly in the central part which showed a typical granulation and in some cases a vividly sudanophilous bubble. The central part was counterstained with hematoxylin, methylene blue, or acid fuchsin, after which the sudanophilous bubble appeared as a nucleolus. Treatment with lipid solvents removed the Sudan-staining material. The results are taken as evidence for a morphological organization of the lipid component of the yolk and yolk globules. J. A. Bain

Chakarov, E.

HADJIOLOFF, A.; DOKOV, V.; CHAKAROV, E. (Presented on 29. VIII. 1954)

On the possibility of applying bismuth salts in neurohistological technique. Doklady Bolg.akad.nauk 7 no.2:57-59 Apr-Sept '54.

(NERVES,

staining with bismuth salts)

(STAINS AND STAINING,

of nerves, with bismuth salts)

(BISMUTH,

salts, staining of nerves)

TCHACAROFF, E. [Chakarov, E.]; POSALAKY, Z.

Some critical considerations on the use of the polymers of ethylene glycol in the histochemical methods for the detection of lipides.
Doklady BAN 15 no.7:791-794 '62.

1. Présentée par D. Orachovatz [Orakhovats, D.], membre de l'Académie.

~~CHAKAROV~~, E. [Chakarov, E.]; UGLOVA, T. [Uglova, T.]

Histochemical studies on the distribution of calcium in the cornea in calcium hydride combustions. Doklady BAN 17 no.1: 81-84 *64

1. Note presentee par D. Orakhovats [Orakhovats, D.], membre de l'Academie [deceased].

MITRANI, L.; ORMANDSCHIEV, S. [Ormandzhiev, S.]; BOEV, K.; ~~TCHAKAROV, E.~~
[Chakarov, E.]; NATSCHEV, Tsch. [Nachev, Ch.]; KOLAROV, W. [Kolarov, V.]

The discriminator, a cytoplanimeter. Doklady BAN 17 no.8:773-776 '64.
Doklady BAN 17 no.8:773-776 '64.

1. Lehrstuhl für Atomphysik an der Universität Sofia, Radio-
biologische Abteilung beim Ministerium für Gesundheitswesen,
Physiologisches Institut der Bulgarischen Akademie der Wissenschaften,
und Onkologisches wissenschaftliches Forschungsinstitut.

BOEV, K.; TCHACAROV, E. [Chakarov, E.]; NATSCHEV, Tsch. [Nachev, Ch.];
ORMANDSCHIEV, S. [Ormandshiev, S.]; MITRANI, L.

Cytological analyser with a dual discriminator. Doklady BAN 17
no.11:1063-1066 '64.

1. Physiological Institute of the Bulgarian Academy of Sciences.
Submitted March 26, 1964.

L 37831-66 T RO/JK

ACC NR: AP6028481

SOURCE CODE: BU/0011/65/018/011/1067/1069

AUTHOR: Popova, A.; Chakarov, E.

ORG: Institute of Physiology, BAN

TITLE: Possible utilization of certain phenothiazine drugs in vital fluorescent staining of mitochondria

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 11, 1965, 1067-1069

TOPIC TAGS: drug effect, phosphorylation, enzyme, mouse, luminescence

ABSTRACT: Phenothiazine drugs are known to inhibit oxidative phosphorylation by upsetting the normal activity of some of its enzyme systems: diphosphopyridine nucleotide in its reduced form, cytochrome C reductase, and cytochrome oxidase. These processes occur in the mitochondrial structures of the cell. In the present study the authors investigated, using 45 male white mice, the luminescent properties of phenothiazine drugs. An analysis of the results shows that phenothiazine preparations Largactil and Randolactil can be fixed at the mitochondrial level and that they can thus be used for the luminescent vital staining of mitochondria. This paper was presented by Corresponding Member P. Nikolov on 14 August 1965. Orig. art. has: 2 figures. [Orig. art. in Eng.] [JPRS: 36,592]

SUB CODE: 06 / SUBM DATE: 14Aug65 / ORIG REF: 001 / SOV REF: 001
OTH REF: 006

Card 1/1

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10-18-19

VECHER, A.S.; CHAKAY, M.T.

Dynamics of the accumulation of pigments in greening potato tubers.
Dokl. AN BSSR 5 no.5:223-225 My '61. (MIRA 14:5)

1. Institut biologii AN BSSR.
(Potatoes) (Color of plants)

Chakaya, D. G.

Chakaya, D. G. Some Georgian mathematicians of the XVII-XVIII century. Akad. Nauk Gruz. SSR. Trudy Tbiliss. Mat. Inst. Razmadze 16, 277-283 (1948). (Georgian; Russian summary)

This paper is devoted to two mathematical manuscripts of the 17-18th centuries in the Georgian language. One of them is a compilation of the fundamentals of arithmetic written by Dimitri Cicišvili. Of the Georgian mathematical manuscripts which have come down to us the work of Cicišvili is the first document of the knowledge in Georgia of European mathematics. The second manuscript is an original textbook on arithmetic and geometry prepared by Georgi Tarhnišvili. The author of the present paper establishes that in Georgia of the 17-18th centuries both the preparation of original textbooks and compilations introducing Russian and European mathematical literature were undertaken.

Author's summary.

gmu

Source: Mathematical Reviews,

Vol 13 No. 9

CHAKAYA, D. G.
Chakaya, D. G. "The arithmetic and algebra of the
Georgians and peoples of the Near East in the Georgian
monuments of astronomical literature. Akad. Nauk
Gruzin. SSR. Trudy Tbiliss. Mat. Inst. Razmadze 17,
315-340 (1949). (Georgian. Russian summary)

Source: Mathematical Reviews

Vol 13 No 2

CHAKRETADZE, S. S. "
Tbilisi State University im. I. V. Stalin.

"Solution of One of the Boundary Problems of Gazeman For Several Unknown
Functions," Soobsch Akad Nauk, GSSR Vol XII, No 8, 1951

SIMONYAN, V.G., kand.med.nauk; CHAKHALASHVILI, L.L.

Five-year experiment in detecting pulmonary tuberculosis among
the population by means of fluorography. Sbor. trud. Med. nauch.
ob-vo Abkh. 2:235-239 '59. (MIRA 14:10)

1. Iz Respublikanskogo protivotuberkuleznogo dispansera Ministerstva
zdravookhraneniya Abkhazskoy ASSR (glavnyy vrach L.L.Chakhalashvili).
(TUBERCULOSIS—DIAGNOSIS) (DIAGNOSIS, FLUOROSCOPIC)

SERGEYEV, V.Z.; CHAKHALOVA, I.P.

Using unripe seeds in changing spring barley into winter barley.
Agrobiologiya no.6:796-799 N-D '61. (MIRA 15:2)

1. Rostovskiy gosudarstvennyy universitet.
(Barley)

Name: CHAKHAV, Vasiliy Georgiyevich

Dissertation: Excitation of labor in various periods
of pregnancy by means of an artificial
fetal sac

Degree: Doc Med Sci

Affiliation: Sci-Res Inst of Protection of Mater-
nity and Childhood, Min of Health
Georgian SSR

Defense Date, Place: 21 Jun 56, Council of Tbilisi State
Med Inst

Certification Date: 6 Jul 57

Source: BMVO 18/57

CHAKHAV, V.G.

USSR/Human and Animal Physiology (Normal and Pathological):
Metabolism. Metabolism of Lipids. T

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79301.

Author : Paylodze, Yu. A.; Chakhava, V.G.

Inst :

Title : Influence of Urea As the Indicator of Cholesterin
and Its Ethers in the Blood of Female Rabbits in
Connection With the Function of the Ovaries.

Orig Pub: Sb. tr. n.-i. in-t okhrany materinstva i detstva
GruzSSR, 1956, 7, 151-153.

Abstract: No abstract.

Card : 1/1

2

CHAKHAVA, G., arkhitektor

Experimental apartment houses made of prefabricated room-units in
Georgia. Zhil.stroi. no.8:9-12 Ag '61. (MIRA 14:8)
(Georgia—Buildings, Prefabricated)
(Tiflis—Apartment houses)

CHAKHAVA, O. V.

"The Influence of Repeated Exposures to Small Doses of X-Rays on the Formation of Immunity Against Typhoid Bacteria"

"On the Experimental Study of a Preventive Vaccine Against Sonne's Dysentery" [dissertation critically analyzed at an unidentified session of the institute's Scientific Council during 1953.] Proceedings of Inst. Epidem. and Microbiol. im. Gamaleya, 1954-56.

Division of Medical Microbiology, Troitskiy, V. L., professor, Corresponding Member, Academy of Medical Sciences USSR, head., Inst. Epidem. and Microbiol. im. Gamaleya, AMS USSR.

SO: Sum 1186, 11 Jan 57.

CHAKHAVA, O. V.

CHAKHAVA, O. V. -- "Active Immunization Against Dysentery Bacteria of Zonne."
Cand Med Sci, Acad Med Sci USSR, 21 Jan 54, (Vechernyaya Moskva, 8 Jan 54)

SO: SUM 168, 22 July 1954

TROITSKIY, V.L., professor; CHAKHAVA, O.V.; KOZLOVA, N.A.

Effect of ionizing radiation on antibody formation. Med.rad. 1
no.1:49-58 Ja-F '56. (MLBA 9:9)

1. Iz otdela meditsinskoy mikrobiologii (sav.-chlen-korrespondent
AMN SSSR prof. V.L.Troitskiy) Instituta epidemiologii i mikro-
biologii imeni akad. N.F.Gamaleya AMN SSSR.

(ANTIGENS, AND ANTIBODIES,

antibody form., eff. of ionizing radiations (Rus))

(RADIATIONS, effects,

ionizing, on antibody form. (Rus))

CHAKHAYE, C. V.

1928 AEC-12-2913
THE INFLUENCE OF REPEATED IRRADIATIONS WITH
SMALL X-RAY DOSES ON THE FORMATION OF IM-
MUNITY AGAINST TYPHOID FEVER BACTERIA. D. V.
(Translated from Med. Radiol. 2, 29-32(1956).)

Sp. The stimulation of antibody production upon immunization
began a week after the end of repeated total irradiations
with small x-ray doses is noted. Antibody titers in rabbits
immunized during the period of radiation action did not sub-
stantially differ in value and dynamics from control titers.
The repeated total irradiation of mice with small x-ray
doses depressed their natural immunity. The vaccination
compensated for the lowering of the natural immunity as a
result of irradiation, and created an immunity more highly
expressed than the natural immunity of the nonirradiated
animals. Animals, repeatedly irradiated with small doses,
were able to respond to the vaccination produced by active
immunity, even though yielding in intensity to the post
vaccination immunity of the nonirradiated animals. (unab.)

Inst. Epidemiol. & Microbiology im Barnaloga, AMIS USSR
Rmk
PAT

TRUITSKIY, V.L., professor; KAULEN, D.R.; CHAKHAYA, O.V.

On the results of the Thirteenth All-Union Congress of Hygienists,
Epidemiologists, Microbiologists and Specialists in Infectious
Diseases. Vest.AMM SSSR 12 no.2:56-65 '57. (MIRA 10:10)
(COMMUNICABLE DISEASES) (EPIDEMIOLOGY)
(MICROBIOLOGY)

KAULEN, D.R., CHAKHAVA, O.V.

Serological and electrophoretic studies of anti-diphtherial sera irradiated by sterilizing doses of gamma rays. Zhur.mikrobiol. epid. i immun. 29 no.9:44-51 S '58 (MIRA 11:10)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR. (DIPHTHERIA, immunol. immune sera, eff. of gamma rays on immunol. properties (Rus)) (GAMMA RAYS, effects on diphtherial immun. sera (Rus))

21(6), 17(0)

PHASE I BOOK EXPLORATION 807/2008

International Conference on the Peaceful Uses of Atomic Energy. 24, Geneva, 1958

Работы советских ученых; радиобиология i радиационная медицина (Reports of Soviet Scientists; Radiobiology and Radiation Medicine) Moscow, Izdatel'stvo Vsesoyuznogo nauchno issledovaniya (USSR Academy of Sciences), 1959. 829 p. 8,000 copies printed. (Series: Nauchnye Materialy Konferentsii po mirovomu ispol'zovaniyu atomnoy energii. Trudy, tom 5)

General Ed.: A.V. Lobachevsky, Corresponding Member, USSR Academy of Medical Sciences; Ed.: S.B. Shirokova; Tech. Ed.: Ye.I. Maslov.

Purpose: This book is intended for physicians, scientists, and engineers as well as for professors and students at various where radiobiology and radiation medicine are taught.

Contents: This is Volume 5 of a 6-volume set of reports delivered by Soviet scientists at the Second International Conference on the Peaceful Uses of Atomic Energy, held in September 1-15, 1958, in Geneva. Volume 5 contains 50 reports edited by Candidates of Medical Sciences S.Y. Lerman and V.Y. Baber. The reports cover problems of the biological effects of ionizing radiation, future consequences of radiation in areas of radioactive isotopes of radiation, treatment of radiation sickness, and the use of radioactive isotopes in medical and biological research. The reports also contain information on the effects of radiation on the cell structure of various tissues and on the effects of radiation on the metabolism of various tissues and on the effects of radiation on the reproduction of various tissues. The book is intended for use by physicians, scientists, and engineers as well as for professors and students at various where radiobiology and radiation medicine are taught.

Reports of Soviet Scientists (Cont.)

Radikov, E.M., M.I. Shal'nev, and Yu.M. Shchegolev. Some Results of Labeling With Tritium in Biological Processes (Report No. 2076)	212
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Radikov, E.M. Relative Characteristic Role of the Three Phospholipid Components in the Synthesis of Phospholipids in the Organism (Report No. 2076)	203
Radikov, E.M. Using Radioactive Isotopes in the Clinic for Diagnostic and Therapeutic Purposes (Report No. 2090)	206
Radikov, E.M., E.G. Shchegolev, and E.G. Shchegolev. Isotopic Morphology and the Localization of Brain Tumors (Report No. 2089)	207
Radikov, E.M. and E.G. Shchegolev. Studying the Fast Translocation of Substances in the Organism by Means of Some Inerting Isotopes (Report No. 2081)	214
Radikov, E.M., E.G. Shchegolev, E.G. Shchegolev, V.M. Volynsky, V.G. Shchegolev, and E.G. Shchegolev. Using Radioactive Isotopes in the Production of Biological Preparations (Report No. 2071)	209
Radikov, E.M., E.G. Shchegolev, and E.G. Shchegolev. Synthesis of Microelements of Strontium and Calcium in Cells (Report No. 2080)	206

Cont 6/7

CHAKHAVA, O.V.

Research on the effect of sterilizing doses of Co⁶⁰ Gamma rays
on antibacterial sera. J.hyg.epidem., Praha 4 no.2:196-206 '60.

1. Department of Radiation Microbiology and Immunology, Gamalay
Institute of Epidemiology and Microbiology, Academy of Medical
Sciences of the U.S.S.R., Moscow.

(IMMUNE SERUMS)

(COBALT radioactive)

(STERILIZATION)

CHAKHAVA, O.V.

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(zav. - deystvitel'nyy chlen AMN SSSR V.L. Troitskiy)
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(MACROPHAGES) (ANTIBIOTICS)